



2828

USSN: 09/829,781
Group No. 2828
Examiner: Gioacchino Inzirillo
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tsung-Yuan Hsu) Group Art No.: 2828
Application No: 09/829,781)
Filed: 4/10/2001) Re: RESPONSE
For: "Bandwidth Enhanced Self-Injection)
Locked DFB Laser with Narrow Linewidth") Our Ref: B-3916 617818-6/RPB
Date: December 19, 2002

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

This paper is filed in response to the official action dated September 26, 2002.

IN THE CLAIMS

Please amend the following claim and add the new claims identified below:

(Amended) Claim 27. The laser system of claim 23 wherein the filter is a Bragg Fiber Grating.

Claim 29. The laser system of claim 1 wherein the modulator is a surface acoustic wave (SAW) device.

01/16/2003 AF001 06000003 120415 09829781
Claim 30. A laser system with self-injection locking, the laser system comprising:
01 TC:1201 84.00 CH
02 KC:1202 36.00 CH
a single frequency laser having a laser output for delivering laser light at a frequency ω_0 ;

(b) an optical modulator coupled to the output of the laser for generating two

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